

# Program Summary Sheet

## THAAD RADAR

PEO/DSA: BMD

Incumbent: Tom Economy III

FY: 03

Rotation Date: Jun 03

### Command Selection Criteria

#### 1. Description of Program/Command:

The THAAD RADAR Program consists of the development and fielding of the software and hardware necessary for the THAAD Weapon System sensor roles of surveillance, acquisition, tracking, discrimination, interceptor communications, and engagement assessments. The THAAD RADAR program includes the development and integration of four major components (antenna equipment, electronics unit, cooling van, and megawatt power unit); the planning and execution of all user testing; and the development of all required Radar interfaces to exchange mission critical data with the THAAD Battle Management/Command, Control, Communications, and Intelligence (BM/C3I) equipment and THAAD interceptors during missile flight. The program is in the Engineering and Manufacturing Development phase. The program is scheduled for a Milestone III (MS III) Defense Acquisition Board (DAB) in 4QFY08. First Unit Equipped (FUE) is scheduled for 3QFY07.

#### 2. Description of PMs/Commanders Responsibilities:

The Product Manager (PM) for THAAD Radar is responsible for directing, controlling, and managing all efforts in the development of the THAAD Radar. The PM evaluates program progress and initiates actions to assure availability of the Radar software and hardware to support overall THAAD system integration and test. The PM maintains extensive interfaces and coordination with the user, defense contractors, Office of the Secretary of Defense (OSD), the Army staff and the Ballistic Missile Defense Organization (BMDO) to quickly field a cost effective, integrated, and logistically supportable Radar system. The PM must translate user operational requirements into a fully integrated design capable of meeting technical performance parameters within the allocated cost and schedule resources; the Radar budget for FY02 through FY07 is \$1.311B. The PM reports to the Project Manager, THAAD Weapon System.

#### 3. Desirable Characteristics:

##### a. Military Education:

Command and General Staff College Graduate (MEL-4) DSMC Advanced Program Management Course

##### b. Civilian Education:

Masters degree or higher in an engineering, scientific, or managerial field

##### c. Experience:

PEO experience as a MAJ or LTC. Experience in a missile related development. Joint Service Experience.

##### d. Security Clearance: SECRET

##### e. Other:

Branch/Functional Area: 14/51

#### 4. Administrative Data:

##### a. Duty Station

City: Huntsville State: AL

##### b. UIC: W27P06

c. Report Date: Month: Jul Year: 03

### Other Significant Command Information

**1a. Significant Congressional, Office of the Secretary of Defense, and/or Army Interest:**

The proliferation of the tactical ballistic missile threat poses an increasing threat to the United States and our Allies in joint and combined theaters of operation. To counter this threat, the Congress and the Army have directed the urgent fielding of the THAAD Weapon System to provide a high altitude area defense against tactical ballistic missiles. Congress, OSD, BMDO, and the Army closely monitor the THAAD program to include its components (e.g., the Radar), to ensure the system offers a high degree of protection to U.S./Allied soldiers and civilian population centers. The THAAD Radar PM must interact with these organizations on a continual basis.

**b. Significant Impact on Military Posture and Readiness:**

The THAAD weapon system is vitally important to defend large theater areas against theater ballistic missiles that potentially carry as payload weapons of mass destruction. The protection THAAD provides offers Theater Commanders essential latitude and flexibility to mass and maneuver ground forces over wide theater areas.

**c. Extensive Interdepartmental, National, or International Coordination:**

The THAAD Radar Product Manager interfaces with the Army Staff, BMDO, OSD and the Congress. Foreign country coordination is required including the Israeli Arrow missile defense program.

**d. Unusual Organizational Complexity, Technological Advancement or Interface Control:**

The THAAD Radar is extremely complex and crucial to the success of the overall THAAD program. The PM THAAD Radar must design and develop four major system components that comprise the Radar architecture. The Radar PM manages the development of all required Radar interfaces to exchange mission critical data with the THAAD Battle Management/Command, Control, Communications, and Intelligence (BM/C3I) equipment and with THAAD interceptors during missile flight. The company developing the THAAD Radar is a subcontractor to the prime contractor. This requires intense government management insight to ensure optimum government and contractor interface.

**e. Unusual Difficulties Requiring Centralized Management:**

The THAAD Radar Product Office manages the effort using the Integrated Product Development process. This systematic approach to product development achieves a timely collaboration of a multi-disciplinary team throughout the product life cycle to better satisfy user needs, when required, at the least cost.

**2. Systems currently managed by the PM:**

The PM THAAD Radar currently manages the development of the THAAD Radar and its integration into the THAAD Weapon System.